

#15

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Lin

Group/Art Unit: 1646

Serial No.: 09/535,814

Examiner: M. Brannock

Filed: March 28, 2000

For: Method For Fabricating An Olfactory  
Receptor-Based Biosensor

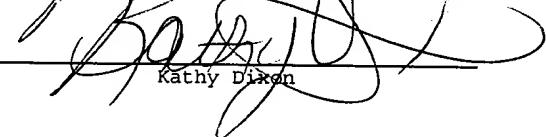
Attorney Docket No.: 64,600-024CIP

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Certificate of Mailing

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service as Express Mail on the date shown in an envelope addressed to: Examiner Michael Brannock, U.S. Patent Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Crystal Mall 1, 1911 S. Clark Street, Arlington, VA 22202

Date: April 19, 2002

  
Kathy Dixon

SUBMISSION OF SEQUENCE LISTING

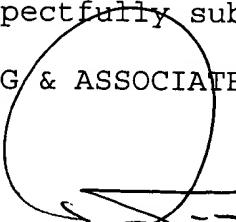
Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Sir:

Enclosed herewith is a paper copy of the sequence listing further to the request dated March 26, 2002. Also enclosed is a copy of the sequence listing in computer readable form. Both the content of the paper and the computer readable copy are the same and include no new matter.

Respectfully submitted,

TUNG & ASSOCIATES

By: 

Randy W. Tung  
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RWT\kd

**SEQ ID NOiG1**

Met Thr Glu Lys Asn Gln Thr Val Val Ser Glu Phe Val Leu Leu Gly Leu Pro Ile Asp Pro Asp Gln Arg Asp Leu Phe Tyr Ala Leu Phe Leu Ala Met Tyr Val Thr Thr Ile Leu Gly Asn Leu Leu Ile Ile Val Leu Ile Gln Leu Asp Ser His Leu His Thr Pro Met Tyr Leu Phe Leu Ser Asn Leu Ser Phe Ser Asp Leu Cys Phe Ser Ser Val Thr Met Pro Lys Leu Leu Gln Asn Met Gln Ser Gln Val Pro Ser Ile Pro Tyr Ala Gly Cys Leu Thr Gln Met Tyr Phe Phe Gly Asp Leu Glu Ser Phe Leu Leu Val Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Phe Pro Leu His Tyr Thr Thr Ile Met Ser Pro Lys Leu Cys Phe Ser Leu Leu Val Leu Ser Trp Val Leu Thr Met Phe His Ala Val Leu His Thr Leu Leu Met Ala Arg Leu Cys Phe Cys Ala Asn Thr Ile Pro His Phe Phe Cys Asp Met Ser Ala Leu Leu Lys Leu Ala Cys Ser Asp Thr Gln Val Asn Glu Leu Val Ile Phe Ile Met Gly Gly Leu Ile Leu Val Ile Pro Phe Leu Leu Ile Ile Thr Ser Tyr Ala Arg Ile Val Ser Ser Ile Leu Lys Val Pro Ser Ala Ile Gly Ile Cys Lys Val Phe Ser Thr Cys Gly Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Thr Val Ile Gly Leu Tyr Leu Cys Pro Ser Ala Asn Asn Ser Thr Val Lys Glu Thr Ile Met Ala Met Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Gly Ala Leu Arg Arg Val Ile Cys Arg Lys Ile Thr Phe Ser Val

**SEQ ID NOiG2**

Asp-Pro-Asp-Gln-Arg-Asp-Cys

**SEQ ID NOiG3**

Leu-Phe-Leu-Ser-Asn-Leu-Ser-Phe-Ser-Asp-Leu-Cys-Ala

**SEQUENCE LISTING**

**SEQ ID NOiG1**

**LENGTHiG313**

**ORGANISMiGCanis familiaris**

**SEQUENCEiGP30955**

**DBSOURCEiGswissprot: locus OLFD\_CANFA, accession P30955**

SEQ ID NOiG2  
LENGTHiG7  
TYPEiGPRT  
ORGANISMiGCanis familiaris  
SEQUENCEiGB1  
Asp-Pro-Asp-Gln-Arg-Asp-Cys

SEQ ID NOiG3  
LENGTHiG13  
TYPEiGPRT  
ORGANISMiGCanis familiaris  
SEQUENCEiGPb2  
Leu-Phe-Leu-Ser-Asn-Leu-Ser-Phe-Ser-Asp-Leu-Cys-Ala